

Resilience Metrics and Measurable Outcomes

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There is a critical need to develop a suite of outcome-based climate adaptation and resilience metrics that can help the state track progress over time. This is a role that ICARP – via the technical advisory council and adaptation clearinghouse – as well as through its coordination role, can advance. For example, the current iteration of Safeguarding, the **state's climate adaptation strategy**, serves as a valuable inventory of state adaptation programs and projects, but lacks a strategic framework to guide the prioritization of state efforts relative to climate resilience goals. Foundational to building this type of prioritization framework, is the need for outcomes-based climate adaptation metrics. In addition to feeding into Safeguarding, these metrics could help inform other state climate adaptation planning, assessment, and guidance processes.

What we heard in during the February ICARP TAC work group meeting:

- This priority area is key to **the TAC's charge and role**; the state needs uniform metrics and measurable outcomes to track overall progress, program effectiveness, and manage investments in line with priorities.
- Identifying resilience metrics is hard but worth starting and can be improved upon over time; this will be an evolving and iterative process.
- We can learn from mitigation and look for proxies to start.
- There are experts out there that we should reach out to and partner with, as well as resources to review and aggregate.
- In order to understand investment and policy decisions relative to urgency of action, we could outline how and when the metrics might be used.

Framing Questions:

- What have we learned from climate change mitigation that should be applied to how we approach tracking progress on climate resilience?
- What resources do we have on resilience metrics and what is the current state of practice on resilience metrics?
- What are the major gaps in information and our understanding?
- How do we best leverage existing discussions and frameworks to advance this metrics and outcomes discussion?

Resources to look to:

- Existing ICARP work (e.g., Defining Vulnerable Communities in the Context of Climate Adaptation)
- State actions/activities (e.g., **Departments'** Sustainability Roadmaps, State vulnerability assessments, CA Climate Assessments, and Safeguarding California)
- Local government actions (e.g., vulnerability assessments, LHMPs, General Plans, and Adaptation Plans)
- Academic literature and analyses

Next Steps:

- ICARP TAC work group, with key invited experts and speakers
- Support and collaborate on state efforts like the OEHHA indicators workshop, informing the **State's adaptation framework, etc.**
- Workshops at upcoming events (virtual or in-person)